

SINGLE-SIDE FABRICATION PROCESS FOR FORMING INKJET MONOLITHIC PRINTING ELEMENT ARRAY ON A SUBSTRATE

ABSTRACT OF THE DISCLOSURE

5 A monolithic inkjet printhead is formed using single-side fabrication processes. Printing elements and feed channels are formed by processes working from a top of the die. During formation of the printing elements filler material is applied to the feed channel. Such material is later removed by an anisotropic etch. Such etchant works from the top surface and a side edge of the substrate. The single-side fabrication
10 process is distinguished from fabrication processes that work from a bottom of a die to form the feed channel and fill channels and work from a top of the die to form printing elements.